

# ZEBRA RH 0030-0090 B

Two-stage oil-lubricated rotary vane vacuum pumps



VACUUM SOLUTIONS



## Reliable

Specially designed for a wide range of applications in the medium vacuum range, robust construction, proven rotary vane vacuum technology

## High performance

Stable pumping speed even in low pressure range

## Quiet

Perfectly suited for research labs and low-noise working environments, only 60 dB(A) at 50 Hz

### Accessories

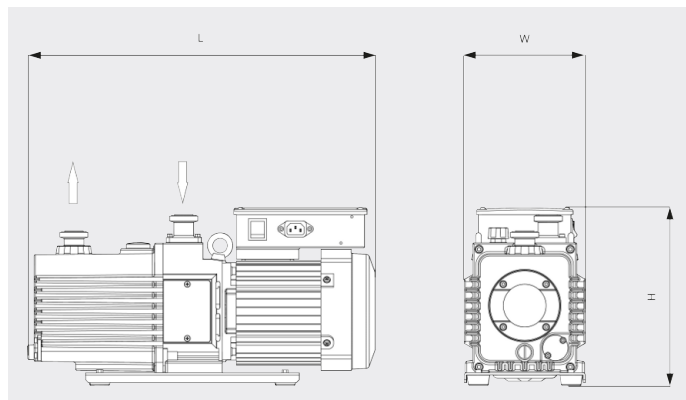
- Inlet filter
- Oil mist separator
- Oil return line
- Gas-ballast valve

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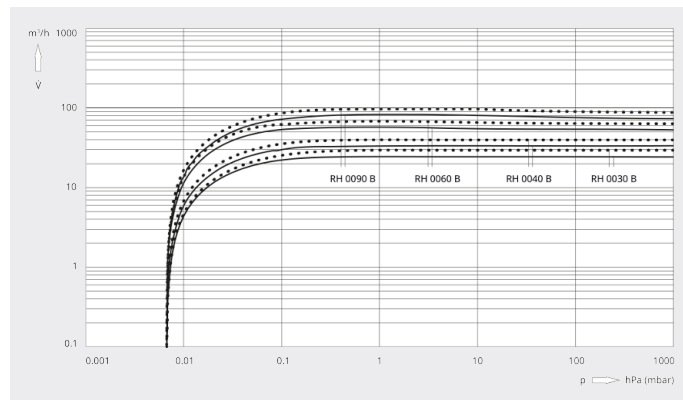
Dimensional drawing



Pumping speed

Air at 20°C. Tolerance:  $\pm 10\%$

— 50 Hz ..... 60 Hz



|                                                             | ZEBRA RH 0030 B                                                   | ZEBRA RH 0040 B                                                   | ZEBRA RH 0060 B                                                   | ZEBRA RH 0090 B                                                   |
|-------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------|
| <b>Pumping speed</b>                                        | 24 / 29 m³/h (50 / 60 Hz)                                         | 33 / 39 m³/h (50 / 60 Hz)                                         | 55 / 65 m³/h (50 / 60 Hz)                                         | 80 / 95 m³/h (50 / 60 Hz)                                         |
| <b>Pumping speed</b>                                        | 400 / 483 l/min (50 / 60 Hz)                                      | 550 / 650 l/min (50 / 60 Hz)                                      | 917 / 1083 l/min (50 / 60 Hz)                                     | 1333 / 1583 l/min (50 / 60 Hz)                                    |
| <b>Ultimate partial pressure (gas-ballast valve closed)</b> | $6.7 \cdot 10^{-4}$ hPa (mbar)                                    | $6.7 \cdot 10^{-4}$ hPa (mbar)                                    | $6.7 \cdot 10^{-4}$ hPa (mbar)                                    | $6.7 \cdot 10^{-4}$ hPa (mbar)                                    |
| <b>Ultimate total pressure (gas-ballast valve closed)</b>   | $6.7 \cdot 10^{-3}$ hPa (mbar)                                    | $6.7 \cdot 10^{-3}$ hPa (mbar)                                    | $6.7 \cdot 10^{-3}$ hPa (mbar)                                    | $6.7 \cdot 10^{-3}$ hPa (mbar)                                    |
| <b>Ultimate total pressure (gas-ballast valve open)</b>     | $2 \cdot 10^{-2}$ hPa (mbar)                                      | $2 \cdot 10^{-2}$ hPa (mbar)                                      | $2 \cdot 10^{-2}$ hPa (mbar)                                      | $2 \cdot 10^{-2}$ hPa (mbar)                                      |
| <b>Max. continuous inlet pressure</b>                       | 65 hPa (mbar)                                                     | 65 hPa (mbar)                                                     | 65 hPa (mbar)                                                     | 10 hPa (mbar)                                                     |
| <b>Max. back pressure (gauge)</b>                           | 300 hPa (mbar)                                                    | 300 hPa (mbar)                                                    | 300 hPa (mbar)                                                    | 300 hPa (mbar)                                                    |
| <b>Water vapor capacity (gas-ballast valve open)</b>        | 190 / 250 g/h (50 / 60 Hz)                                        | 270 / 410 g/h (50 / 60 Hz)                                        | 430 / 1100 g/h (50 / 60 Hz)                                       | 480 / 600 g/h (50 / 60 Hz)                                        |
| <b>Nominal motor rating</b>                                 | 1.5 kW                                                            | 1.5 kW                                                            | 2.2 kW                                                            | 3.7 kW                                                            |
| <b>Operating voltage</b>                                    | 200 – 240 / 380 – 415 V (50 Hz) / 200 – 240 / 380 – 460 V (60 Hz) | 200 – 240 / 380 – 415 V (50 Hz) / 200 – 240 / 380 – 460 V (60 Hz) | 200 – 240 / 380 – 415 V (50 Hz) / 200 – 240 / 380 – 460 V (60 Hz) | 200 – 240 / 380 – 415 V (50 Hz) / 200 – 240 / 380 – 460 V (60 Hz) |
| <b>Ambient temperature</b>                                  | 4 – 40 °C                                                         | 4 – 40 °C                                                         | 4 – 40 °C                                                         | 4 – 40 °C                                                         |

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|                        | ZEBRA RH 0030 B                                                                                        | ZEBRA RH 0040 B                                                                                        | ZEBRA RH 0060 B                                                                                        | ZEBRA RH 0090 B                                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Oil                    | VMA 055                                                                                                | VMA 055                                                                                                | VMA 055                                                                                                | VMA 055                                                                                                                                                                                            |
| Oil capacity           | 2.5 l                                                                                                  | 2.5 l                                                                                                  | 4 l                                                                                                    | 4 l                                                                                                                                                                                                |
| Noise level (ISO 2151) | < 57 / < 61 dB(A) (50 / 60 Hz)                                                                         | < 60 / < 64 dB(A) (50 / 60 Hz)                                                                         | < 60 / < 64 dB(A) (50 / 60 Hz)                                                                         | < 60 / < 66 dB(A) (50 / 60 Hz)                                                                                                                                                                     |
| Weight approx.         | 58 kg                                                                                                  | 60 kg                                                                                                  | 90 kg                                                                                                  | 113 kg                                                                                                                                                                                             |
| Dimensions (L x W x H) | 671 x 214 x 326 mm                                                                                     | 691 x 214 x 326 mm                                                                                     | 772 x 264 x 373 mm                                                                                     | 831 x 264 x 373 mm                                                                                                                                                                                 |
| Gas inlet / outlet     | ISO-KF 40 / ISO-KF 40                                                                                  | ISO-KF 40 / ISO-KF 40                                                                                  | ISO-KF 40 / ISO-KF 40                                                                                  | ISO-K 63 / ISO-KF 40                                                                                                                                                                               |
| Marking                | cTUVus                                                                                                 | cTUVus                                                                                                 | cTUVus                                                                                                 | cTUVus                                                                                                                                                                                             |
| Additional information | <ul style="list-style-type: none"> <li>• Terminal box</li> <li>• Prefilled with VMA 055 oil</li> </ul> | <ul style="list-style-type: none"> <li>• Terminal box</li> <li>• Prefilled with VMA 055 oil</li> </ul> | <ul style="list-style-type: none"> <li>• Terminal box</li> <li>• Prefilled with VMA 055 oil</li> </ul> | <ul style="list-style-type: none"> <li>• Terminal box</li> <li>• Prefilled with VMA 055 oil</li> <li>• Vacuum pump not intended for continuous operation at pressures &gt; 10 mbar abs.</li> </ul> |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
[info@busch.ca](mailto:info@busch.ca) or +1 800 363 6360



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